

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: MOON JONG JANG)
Serial No: 10/627,071) Group Art Unit: 2632
Filed: JULY 24, 2003)
For: REMOTE METER READING SYSTEM USING) Examiner: NYA
GROUPED DATA STRUCTURE)

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

REQUEST TO CORRECT INVENTORSHIP
PURSUANT TO 37 C.F.R. 1.48(a)

Sir:

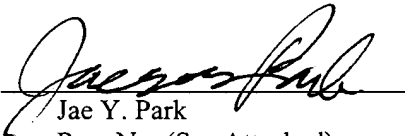
Applicant hereby requests to correct inventorship in the above-referenced Patent Application pursuant to 37 C.F.R. 1.48(a). Applicant wishes to correct the inventorship of the above-referenced Patent Application by adding the following inventors: Seon Ku Cho, Bong Jae Lee, Jin Ho Shin, Jae Hee Lee, Eui Yeul Kim, and Keon Hang Lee.

In accordance with the requirements of 37 C.F.R. § 1.48(a), attached hereto are the following documents: (1) a statement from each Seon Ku Cho, Bong Jae Lee, Jin Ho Shin, Jae Hee Lee, Eui Yeul Kim, and Keon Hang Lee, which is in support of the Request to Correct the Inventorship; (2) a new Declaration signed by the actual inventors; (3) a statement from the assignee of record, Korea Electric Power Corporation, consenting to the change of inventorship (and attached statement under 37 C.F. R. 3.73(b)); and (4) the appropriate fee as set forth in 37 C.F.R. 1.17(i).

Applicant respectfully requests Seon Ku Cho, Bong Jae Lee, Jin Ho Shin, Jae Hee Lee, Eui Yeul Kim, and Keon Hang Lee be added as inventors in the above-identified application. If there are any charges with respect with this request or otherwise, please charge them to Deposit Account No. 06-1130 maintained by applicant's attorneys.

Respectfully submitted,

CANTOR COLBURN LLP

By: 
Jae Y. Park

Reg. No. (See Attached)
Confirmation No.: 3102
Cantor Colburn LLP
55 Griffin Road South
Bloomfield, CT 06002
PTO Customer No.: 23413
Telephone: (860) 286-2929
Fax: (860) 286-0115

Date: March 22, 2004



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: MOON JONG JANG)
Serial No: 10/627,071) Group Art Unit: 2632
Filed: JULY 24, 2003) Examiner:
For: REMOTE METER READING SYSTEM USING) Confirmation No.: 3102
GROUPED DATA STRUCTURE)


STATEMENT UNDER 37 C.F.R. 1.48(a)(1)
IN SUPPORT OF REQUEST TO CORRECT INVENTORSHIP

Sir:

I, Seon Ku Cho, was inadvertently omitted as an inventor and such omission occurred without any deceptive intention on the part of me, Seon Ku Cho.

The undersigned declares that all statements made herein of his own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

March 2, 2004


Seon Ku Cho



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: MOON JONG JANG)
Serial No: 10/627,071) Group Art Unit: 2632
Filed: JULY 24, 2003) Examiner:
For: REMOTE METER READING SYSTEM USING) Confirmation No.: 3102
GROUPED DATA STRUCTURE)


STATEMENT UNDER 37 C.F.R. 1.48(a)(1)
IN SUPPORT OF REQUEST TO CORRECT INVENTORSHIP

Sir:

I, Bong Jae Lee, was inadvertently omitted as an inventor and such omission occurred without any deceptive intention on the part of me, Bong Jae Lee.

The undersigned declares that all statements made herein of his own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

March 2, 2004


Bong Jae Lee



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: MOON JONG JANG)
Serial No: 10/627,071) Group Art Unit: 2632
Filed: JULY 24, 2003) Examiner:
For: REMOTE METER READING SYSTEM USING) Confirmation No.: 3102
GROUPED DATA STRUCTURE)


STATEMENT UNDER 37 C.F.R. 1.48(a)(1)
IN SUPPORT OF REQUEST TO CORRECT INVENTORSHIP

Sir:

I, Jin Ho Shin, was inadvertently omitted as an inventor and such omission occurred without any deceptive intention on the part of me, Jin Ho Shin.

The undersigned declares that all statements made herein of his own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

March 2, 2004


Jin Ho Shin



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: MOON JONG JANG)
Serial No: 10/627,071) Group Art Unit: 2632
Filed: JULY 24, 2003) Examiner:
For: REMOTE METER READING SYSTEM USING) Confirmation No.: 3102
GROUPED DATA STRUCTURE)

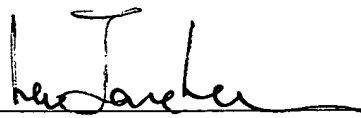
STATEMENT UNDER 37 C.F.R. 1.48(a)(1)
IN SUPPORT OF REQUEST TO CORRECT INVENTORSHIP

Sir:

I, Jae Hee Lee, was inadvertently omitted as an inventor and such omission occurred without any deceptive intention on the part of me, Jae Hee Lee.

The undersigned declares that all statements made herein of his own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

March 2, 2004


Jae Hee Lee



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: MOON JONG JANG)
Serial No: 10/627,071) Group Art Unit: 2632
Filed: JULY 24, 2003) Examiner:
For: REMOTE METER READING SYSTEM USING) Confirmation No.: 3102
GROUPED DATA STRUCTURE)


STATEMENT UNDER 37 C.F.R. 1.48(a)(1)
IN SUPPORT OF REQUEST TO CORRECT INVENTORSHIP

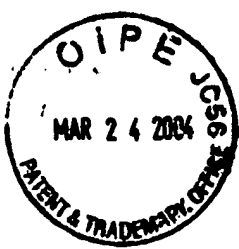
Sir:

I, Eui Yeul Kim, was inadvertently omitted as an inventor and such omission occurred without any deceptive intention on the part of me, Eui Yeul Kim.

The undersigned declares that all statements made herein of his own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

March 2, 2004


Eui Yeul Kim



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: MOON JONG JANG)
Serial No: 10/627,071) Group Art Unit: 2632
Filed: JULY 24, 2003) Examiner:
For: REMOTE METER READING SYSTEM USING) Confirmation No.: 3102
GROUPED DATA STRUCTURE)

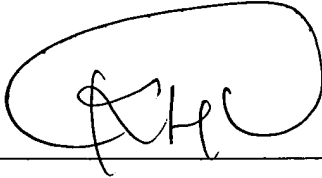
STATEMENT UNDER 37 C.F.R. 1.48(a)(1)
IN SUPPORT OF REQUEST TO CORRECT INVENTORSHIP

Sir:

I, Keon Hang Lee, was inadvertently omitted as an inventor and such omission occurred without any deceptive intention on the part of me, Keon Hang Lee.

The undersigned declares that all statements made herein of his own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

March 2, 2004



Keon Hang Lee



DYA-0009

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Moon Jong Jang)
Serial No: 10/627,071) Group Art Unit
Filed: July 24, 2003) Before the
For: REMOTE METER READING) Examiner
SYSTEM USING GROUPED)
DATA STRUCTURE)

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

CONSENT OF ASSIGNEE
PURSUANT TO 37 CFR 1.48(a)(4)

Sir:

Dong Suk Kang declares and says that:

1. The above-referenced application was assigned to Korea Electronic Power Corporation through an assignment from Moon Jong Jang, recorded at reel 014092, frame 0426.
2. As assignee, Korea Electric Power Corporation hereby consents to the addition of Seon Ku Cho, Bong Jae Lee, Jin Ho Shin, Jae Hee Lee, Eui Yeul Kim, and Keon Hang Lee as co-inventors.

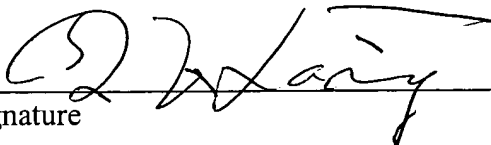
3. I declare that all statements made herein are of my knowledge, are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or document or any patent resulting therefrom.

KOREA ELECTRIC POWER CORPORATION

March 2, 2004
Date: _____

Dong Suk KANG/Chairman & C.E.O.

Printed Name and Title

Signature  _____



STATEMENT UNDER 37 CFR 3.73(b)

Applicant/Patent Owner: Moon Jong Jang

Application No./Patent No.: 10/627,071

Filed/Issue Date: 07/24/2003

Entitled: **REMOTE METER READING SYSTEM USING GROUPED DATA STRUCTURE**

Korea Electric Power Corporation, a Corporation

(Name of Assignee)

(Type of Assignee, e.g., corporation, partnership, university, government agency, etc.)

states that it is:

1. ☒ the assignee of the entire right, title, and interest; or
2. ☐ an assignee of less than the entire right, title and interest.
The extent (by, percentage) of its ownership interest is _____ %
in the patent application/patent identified above by virtue of either:

A. ☒ An assignment from the inventor(s) of the patent application/patent identified above. The assignment was recorded in the United States Patent and Trademark Office at Reel 014092, Frame 0426, or for which a copy thereof is attached.

OR

B. ☐ A chain of title from the inventor(s), of the patent application/patent identified above, to the current assignee as shown below:

1. From: _____ To: _____
The document was recorded in the United States Patent and Trademark Office at
Reel _____, Frame _____, or for which a copy thereof is attached.
2. From: _____ To: _____
The document was recorded in the United States Patent and Trademark Office at
Reel _____, Frame _____, or for which a copy thereof is attached.
3. From: _____ To: _____
The document was recorded in the United States Patent and Trademark Office at
Reel _____, Frame _____, or for which a copy thereof is attached.

☐ Additional documents in the chain of title are listed on a supplemental sheet.

☐ Copies of assignments or other documents in the chain of title are attached.

[NOTE: A separate copy (i.e., the original assignment document or a true copy of the original document) must be submitted to
Assignment Division in accordance with 37 CFR Part 3, if the assignment is to be recorded in the records of the USPTO. See
MPEP 302.08]

The undersigned (whose title is supplied below) is authorized to act on behalf of the assignee.

March 2, 2004

Date

02-3456-3114

Telephone number

Dong Suk KANG

Typed or printed name

Signature

Chairman & C.E.O.

Title

This collection of information is required by 37 CFR 3.73(b). The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETE D FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.



DECLARATION AND POWER OF ATTORNEY

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my/our name,

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled REMOTE METER READING SYSTEM USING GROUPED DATA STRUCTURE the specification of which

(check one)

_____ is attached hereto.

X was filed on July 24, 2003 as

Application Serial No. 10/627,071

and was amended on _____

(if applicable)

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to the examination of this application in accordance with Title 37, Code of Federal Regulations, 1.56(a).

I hereby claim foreign priority benefits under title 35, United States Code 119 of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed:

Prior Foreign Application(s).

			Priority Claimed
<u>2002-0043556</u>	<u>Korea</u>	<u>24 JULY 2002</u>	<u>Yes</u> No
(Number)	(Country)	(Day/Month/Year Filed)	
<u> </u>	<u> </u>	<u> </u>	Yes No
(Number)	(Country)	(Day/Month/Year Filed)	
<u> </u>	<u> </u>	<u> </u>	Yes No
(Number)	(Country)	(Day/Month/Year Filed)	

I hereby claim the benefit under Title 35, United States Code, 120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, 112, I acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulations, 1.56(a) which occurred between the filing date of the prior application and the national or PCT international filing date of this application:

<u> </u>	<u> </u>	<u> </u>
(Application Serial No.)	(Filing Date)	(Status) (patented, pending, abandoned)
<u> </u>	<u> </u>	<u> </u>
(Application Serial No.)	(Filing Date)	(Status) (patented, pending, abandoned)

I hereby claim the benefit under Title 35, United States Code, § 119(e) of any United States provisional application(s) listed below:

PROVISIONAL APPLICATION NUMBER

FILING DATE

_____	_____
_____	_____
_____	_____

POWER OF ATTORNEY: As a named inventor, I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and transact all business in the Patent and Trademark Office connected therewith.

Michael A. Cantor	-	Registration No. 31,152
Philmore H. Colburn II	-	Registration No. 35,101
Keith J. Murphy	-	Registration No. 33,979
Leah M. Reimer	-	Registration No. 39,341
David A. Fox	-	Registration No. 38,807
William J. Cass	-	Registration No. 41,659
Michael J. Rye	-	Registration No. 34,422
Pamela J. Curbelo	-	Registration No. 34,676
Andrew Ryan	-	Registration No. 43,070
Herbert M. Bedingfield	-	Registration No. 44,530
Timothy J. Olson	-	Registration No. 42,962
Christopher C. Boehm	-	Registration No. 41,624
J. Michael Buchanan	-	Registration No. 44,571
George J. Lyman	-	Registration No. 44,884
Karen A. Jalbert	-	Registration No. 39,237
Deborah B. Crenshaw	-	Registration No. 41,689
Leonard E. Heyman	-	Registration No. 40,418
Marisa J. Dubuc	-	Registration No. 46,673
Roberta A. Pelletier	-	Registration No. 46,372
Michael J. Chang	-	Registration No. 46,611
Daniel F. Drexler	-	Registration No. 47,535
James J. Merrick	-	Registration No. 43,801
Troy J. LaMontagne	-	Registration No. 47,239
Charles F. O'Brien	-	Registration No. 47,314
Sean F. Sullivan	-	Registration No. 38,328
Michael J. Kelly	-	Registration No. 27,910

Send Correspondence to:
55 Griffin South Road
Bloomfield, CT 06002

Direct Telephone Calls To:
Michael A. Cantor
Philmore H. Colburn II
(860) 286-2929

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full name of sole

or first inventor: *Moon Jong Jang*

Inventor's signature: _____



March 2, 2004

Date

Residence: *Korea Electric Power Research Institute, 103-16,*
Munji-dong, Yusong-gu, Daejeon, 305-380,
Republic of Korea

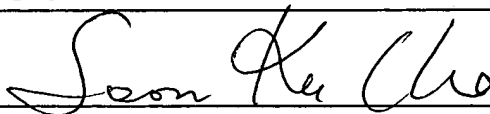
Citizenship: *Korea*

Post Office Address: *Korea Electric Power Research Institute, 103-16, Munji-dong,*
Yusong-gu, Daejeon, 305-380, Republic of Korea

Full name of **second**

joint inventor, if any: *Seon Ku Cho*

Inventor's signature: _____



March 2, 2004

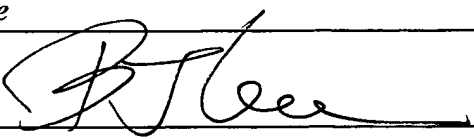
Date

Residence: *Korea Electric Power Research Institute, 103-16,*
Munji-dong, Yusong-gu, Daejeon, 305-380,
Republic of Korea

Citizenship: *Korea*

Post Office Address: *Korea Electric Power Research Institute, 103-16, Munji-dong,*
Yusong-gu, Daejeon, 305-380, Republic of Korea

Full name of **third**
joint inventor, if any: Bong Jae Lee

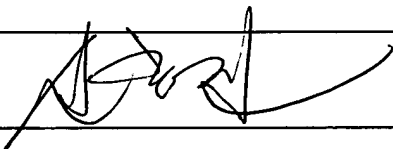
Inventor's signature:  March 2, 2004
Date

Residence: Korea Electric Power Research Institute, 103-16,
Munji-dong, Yusong-gu, Daejeon, 305-380,
Republic of Korea

Citizenship: Korea

Post Office Address: Korea Electric Power Research Institute, 103-16, Munji-dong,
Yusong-gu, Daejeon, 305-380, Republic of Korea

Full name of **fourth**
joint inventor, if any: Jin Ho Shin

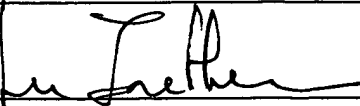
Inventor's signature:  March 2, 2004
Date

Residence: Korea Electric Power Research Institute, 103-16,
Munji-dong, Yusong-gu, Daejeon, 305-380,
Republic of Korea

Citizenship: Korea

Post Office Address: Korea Electric Power Research Institute, 103-16, Munji-dong,
Yusong-gu, Daejeon, 305-380, Republic of Korea

Full name of **fifth**
joint inventor, if any: *Jae Hee Lee*

Inventor's signature:  March 2, 2004
Date

Residence: *Korea Electric Power Research Institute, 167,
Samsung 1-dong, Gangnam-gu, Seoul, Republic
of Korea*

Citizenship: *Korea*

Post Office Address: *Korea Electric Power Research Institute, 167, Samsung 1-dong,
Gangnam-gu, Seoul, Republic of Korea*

Full name of **sixth**
joint inventor, if any: *Eui Yeul Kim*

Inventor's signature:  March 2, 2004
Date

Residence: *Korea Electric Power Research Institute, 167,
Samsung 1-dong, Gangnam-gu, Seoul, Republic
of Korea*

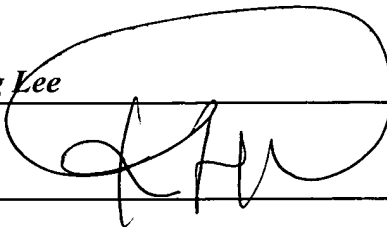
Citizenship: *Korea*

Post Office Address: *Korea Electric Power Research Institute, 167, Samsung 1-dong,
Gangnam-gu, Seoul, Republic of Korea*

Full name of **seventh**

joint inventor, if any: *Keon Hang Lee*

Inventor's signature: _____



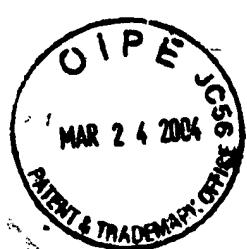
March 2, 2004

Date

Residence: *Korea Electric Power Research Institute, 167,
Samsung 1-dong, Gangnam-gu, Seoul, Republic
of Korea*

Citizenship: *Korea*

Post Office Address: *Korea Electric Power Research Institute, 167, Samsung 1-dong,
Gangnam-gu, Seoul, Republic of Korea*



**BEFORE THE OFFICE OF ENROLLMENT AND DISCIPLINE
UNITED STATE PATENT AND TRADEMARK OFFICE**

LIMITED RECOGNITION UNDER 37 CFR § 10.9(b)

Mr. Jae Young Park is hereby given limited recognition under 37 CFR §10.9(b) as an employee of Cantor Colburn LLP to prepare and prosecute patent applications wherein the patent applicant is the client of Cantor Colburn LLP, and the attorney or agent of record in the applications is a registered practitioner who is a member of Cantor Colburn LLP. This limited recognition shall expire on the date appearing below, or when whichever of the following events first occurs prior to the date appearing below: (i) Mr. Jae Young Park ceases to lawfully reside in the United States, (ii). Mr. Jae Young Park's employment with Cantor Colburn LLP ceases or is terminated, or (iii) Mr. Jae Young Park ceases to remain or reside in the United States on an H-1B visa.

This document constitutes proof of such recognition. The original of this document is on file in the Office of Enrollment and Discipline of the U.S. Patent and Trademark Office.

Expires: December 2, 2004

Harry I. Moatz
Director of Enrollment and Discipline

CERTIFICATE OF MAILING BY FIRST CLASS MAIL (37 CFR 1.8)			Docket No.
Applicant(s): Moon Jong Jang			DYA-0009
Serial No. 10/627,071	Filing Date July 24, 2003	Examiner NYA	Group Art Unit 2636
Invention: REMOTE METER READING SYSTEM USING GROUPED DATA STRUCTURE			
<p>Request To Correct Inventorship Pursuant To 37 C.F.R. 1.48(a)(1 page), Statement Under 37 C.F.R. 1.48(a)(1) In Support Of Request To Correct Inventorship (6 pages), Consent Of Assignee Pursuant To 37 C.F.R. 1.48(a)(4)w/Statement Under 37 C.F.R. 3.73(b) (3 pages), Executed Declaration and Power of Attorney (7 pages), Limited Recognition Under 37 C.F.R. 10.9(b) (1 page), Check-Request Fee-\$130.00 and Postcard</p> <p>I hereby certify that this _____ (Identify type of correspondence)</p> <p>is being deposited with the United States Postal Service as first class mail in an envelope addressed to:</p> <p>Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on <u>March 22, 2004</u> (Date)</p> <p><u>Tammie Lanthier</u> (Typed or Printed Name of Person Mailing Correspondence)</p> <p><u>Tammie Lanthier</u> (Signature of Person Mailing Correspondence)</p> <p>Note: Each paper must have its own certificate of mailing.</p>			